

**APC/Cyanine7 anti-human TCR V62**

**Catalog # / Size:** 2257200 / 100 tests  
2257195 / 25 tests

**Clone:** B6

**Isotype:** Mouse IgG1, κ

**Immunogen:** CD304-Fc Fusion protein

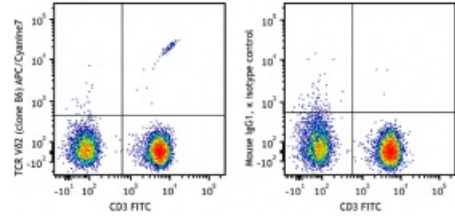
**Reactivity:** Human, Non-human primate, Other

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

**Workshop Number:** V S056

**Concentration:** Lot-specific



Human peripheral blood mononuclear cells were stained with CD3 FITC and TCR V62 (clone B6) APC/Cyanine7 (left) or mouse IgG1, κ APC/Cyanine7 isotype control (right).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μL per million cells in 100 μL staining volume or 5 μL per 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** 3.2.3 recognizes a common epitope of NKR-1P1a (CD161a) and NKR-P1b (CD161b).

**Application References:** 1. Rojas RE, *et al.* 2005. *J. Infect. Dis.* 192:1806.  
2. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) [PubMed](#)

**Description:** The V62 TCR is a variant of the TCR δ chain expressed on a subset of γ/δ T cells. Vy9V62 T lymphocytes, a major γ/δ T cell subset in humans, recognize phosphoantigens, certain tumor cells, and cells treated with aminobisphosphonates. This cell population displays cytolytic activity against various tumor cells. The γ/δ TCR is an heterodimeric TCR complex composed of covalently bound γ and δ chains involved in antigen recognition and the non-covalently associated monomeric proteins CD3ε, γ, ε, and ζ chains.

**Antigen References:** 1. Scotet E, *et al.* 2005. *Immunity* 22:71.  
2. Rincon-Orozco B, *et al.* 2005. *J. Immunol.* 175:2144.